

FIG. 1

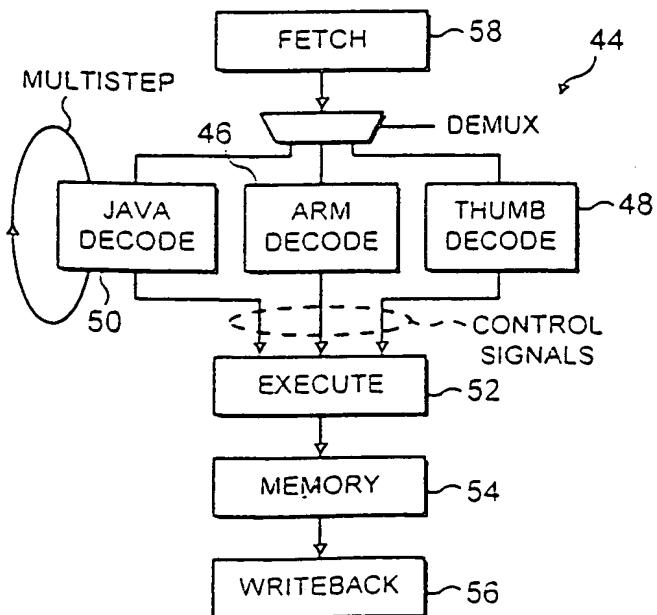


FIG. 2

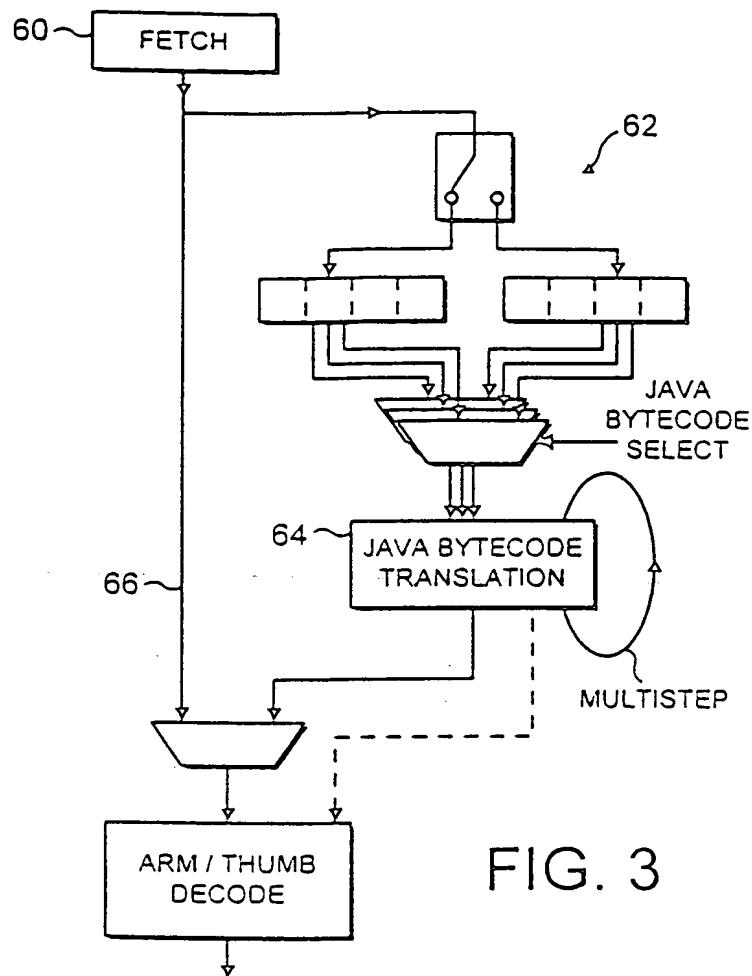


FIG. 3

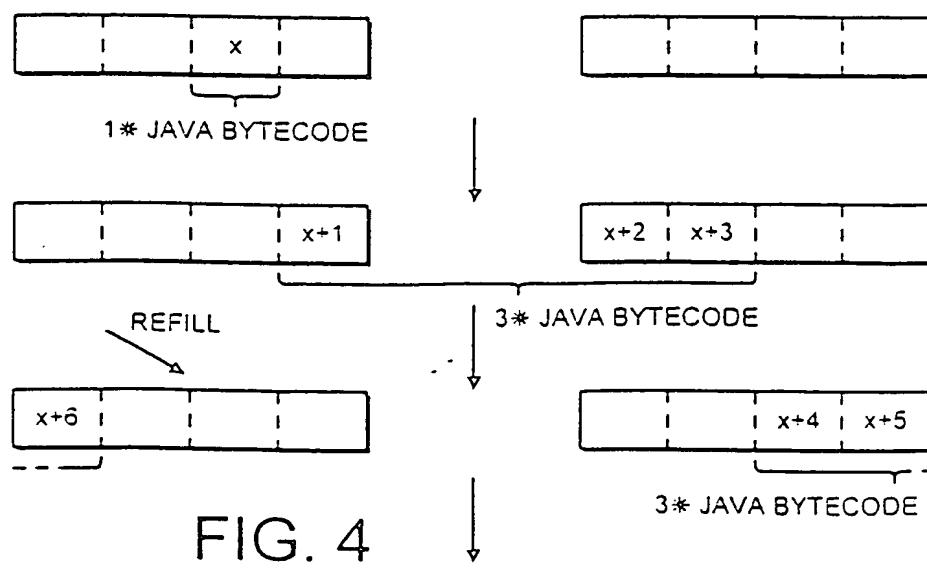


FIG. 4

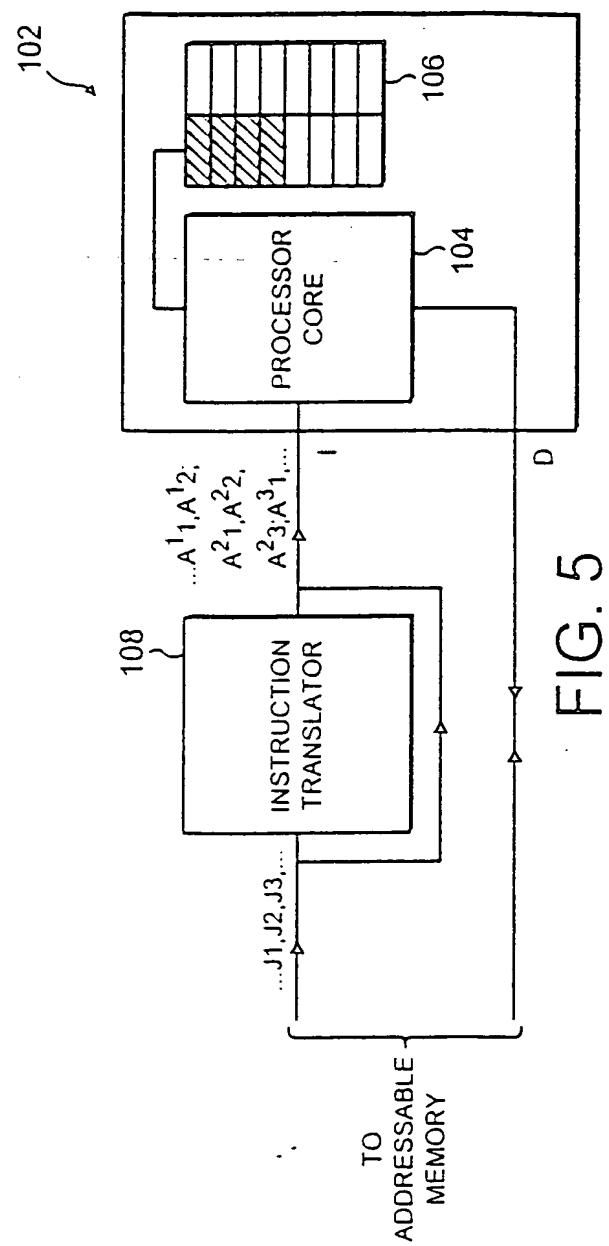


FIG. 5

JAVA INSTRUCTION	iadd (RF=2,RF>0)	iadd (RF=2,RF>1)	iadd (SA=-1)
ARM INSTRUCTION(S)	/ LDR R0[RStack,#-4] (POP)	LDR R3[RStack,#-4] (POP)	ADD R3,R3,R0
STATE	00000	00100	01000
R0	E	SOA TOS	SOA TOS
R1	E	E	E
R2	E	E	E
R3	E	E	(SOA+SOB) TOS
<hr/>			
JAVA INSTRUCTION	/ Load <sup>1</sup> (RF=0,RE>2)	Load <sup>2</sup> (RF=0,RE>2)	Load <sup>2</sup> (RF=0,RE=2)
ARM INSTRUCTIONS	/ LDR R1,[Rvars,#4] LDR R0,[Rvars,#0]	STR R3[RStack],#-4 (PUSH)	LDR R3,[Rvars,#4] LDR R2,[Rvars,#0]
STATE	00000	00100	01000
R0	E	SOC TOS-1	SOC TOS-1
R1	E	SOD TOS	SOD TOS
R2	E	E	SOE TOS-1
R3	(SOA+SOB) TOS	(SOA+SOB) TOS	E

FIG. 6

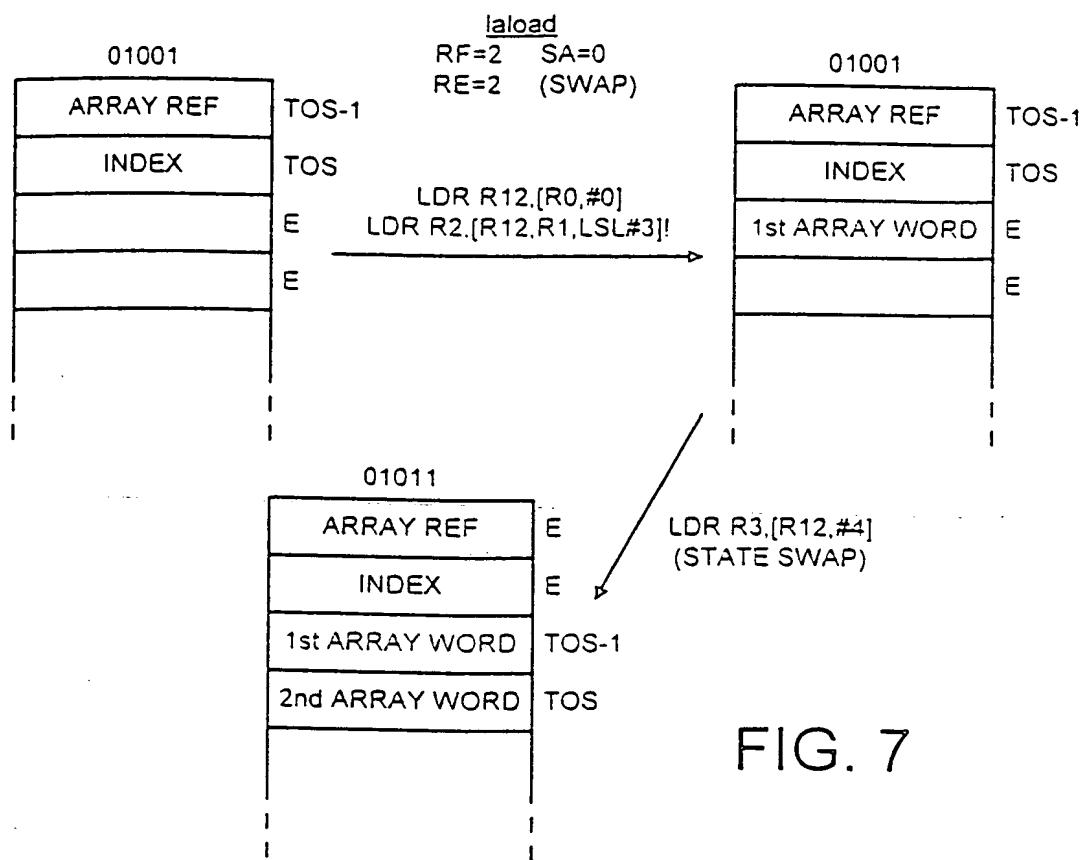


FIG. 7

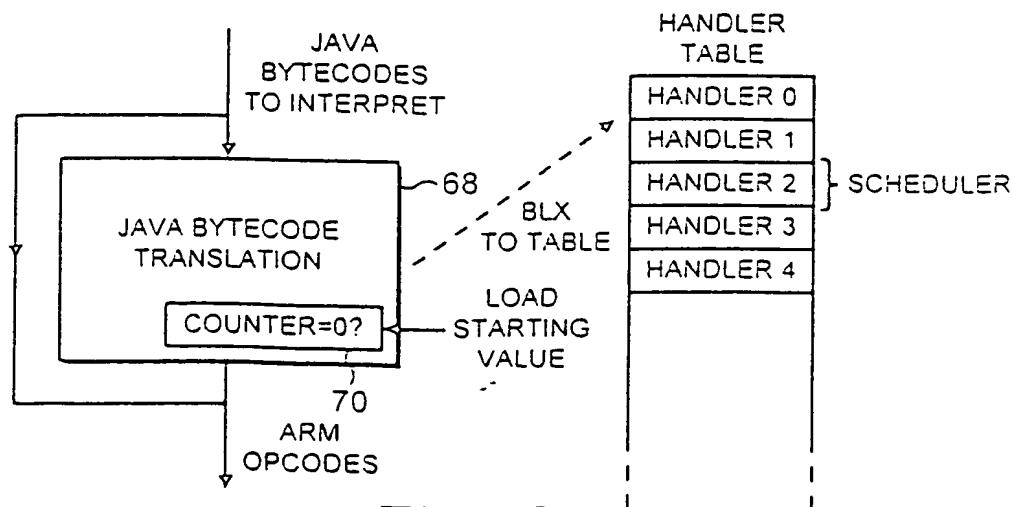


FIG. 9

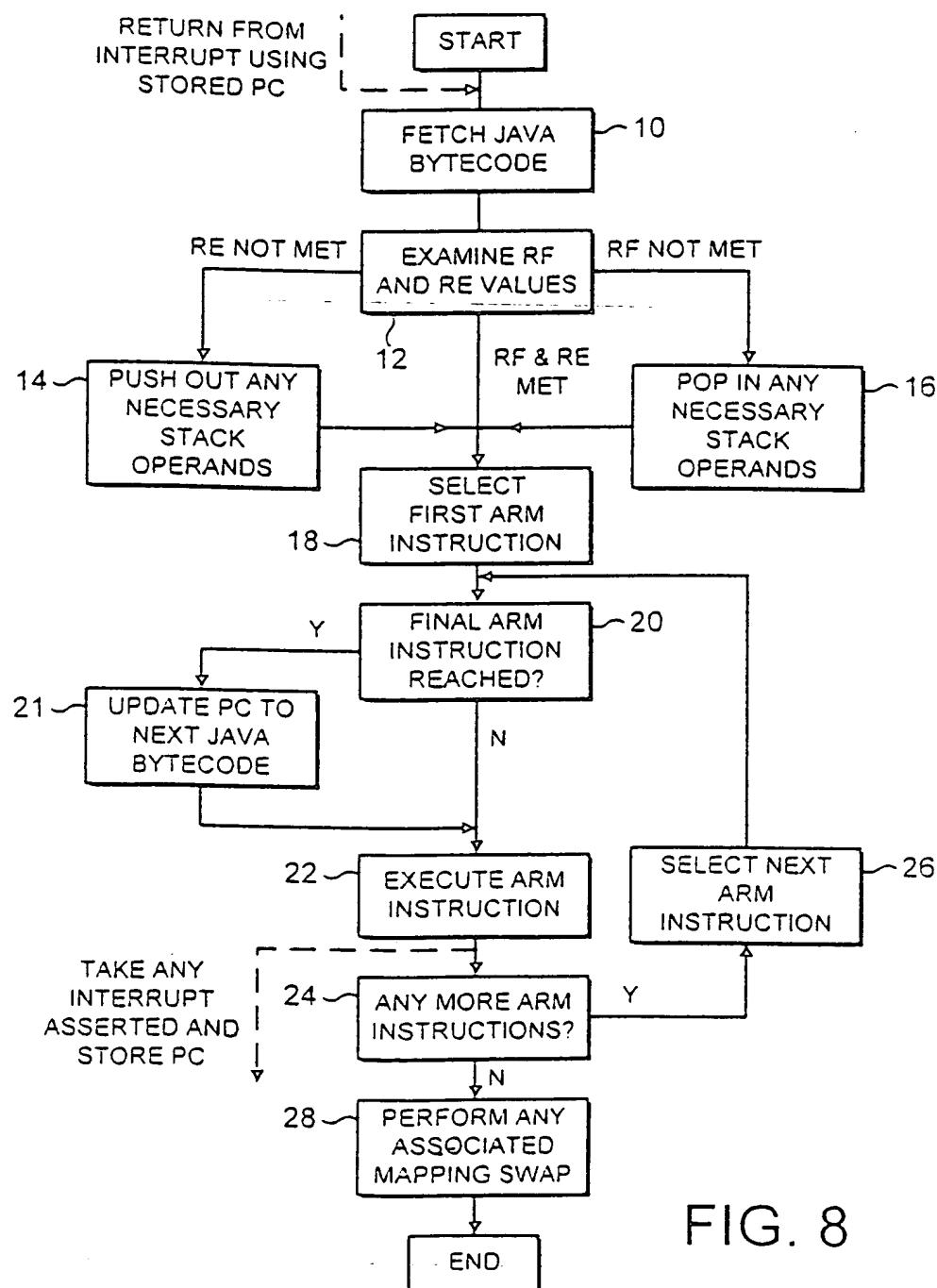


FIG. 8

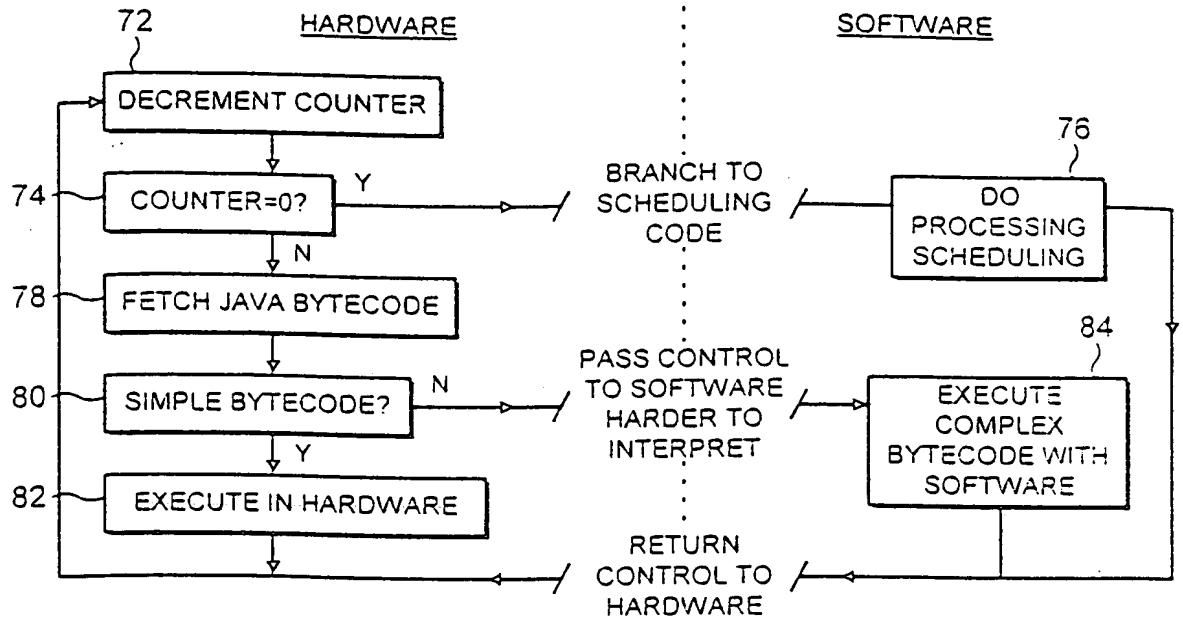


FIG. 10

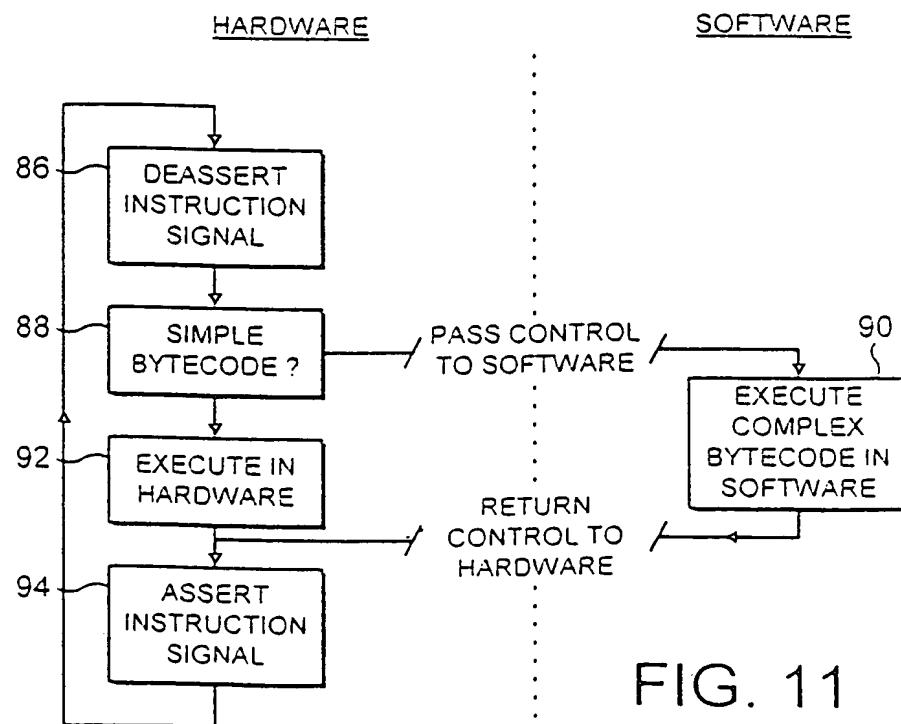


FIG. 11

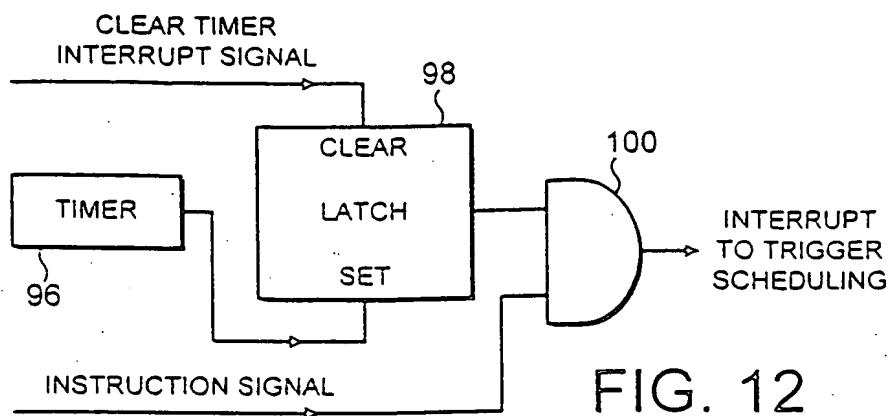


FIG. 12

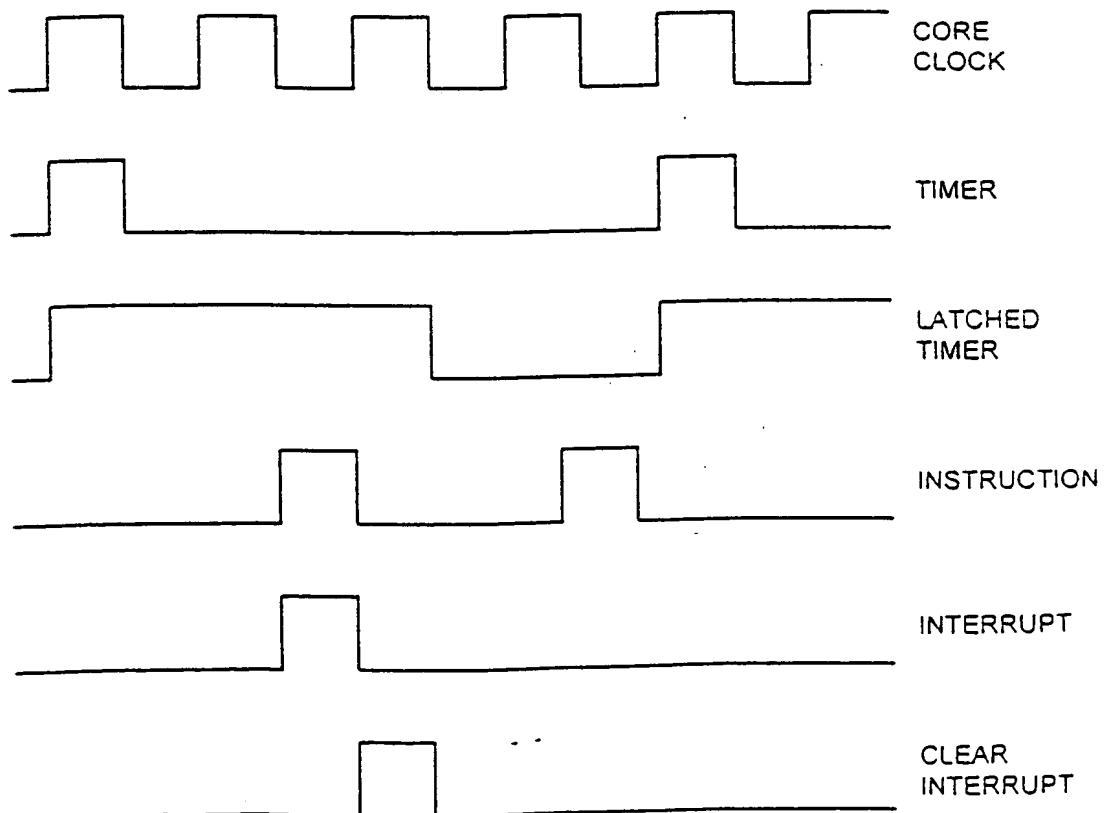


FIG. 13